Trying 3106016892...Open

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LOGINID:sssptaul29pxo
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NEWS 2	Sep 29	The Philippines Inventory of Chemicals and Chemical Substances (PICCS) has been added to CHEMLIST
NEWS 3	Oct 27	New Extraction Code PAX now available in Derwent Files
NEWS 4	Oct 27	SET ABBREVIATIONS and SET PLURALS extended in Derwent World Patents Index files
NEWS 5	Oct 27	Patent Assignee Code Dictionary now available in Derwent Patent Files
NEWS 6	Oct 27	Plasdoc Key Serials Dictionary and Echoing added to Derwent Subscriber Files WPIDS and WPIX
NEWS 7	Nov 29	Derwent announces further increase in updates for DWPI
NEWS 8	Dec 5	French Multi-Disciplinary Database PASCAL Now on STN
NEWS 9	Dec 5	Trademarks on STN - New DEMAS and EUMAS Files
NEWS 10	Dec 15	2001 STN Pricing
NEWS 11	Dec 17	Merged CEABA-VTB for chemical engineering and biotechnology
NEWS 12	Dec 17	Corrosion Abstracts on STN
NEWS 13	Dec 17	SYNTHLINE from Prous Science now available on STN
NEWS 14	Dec 17	The CA Lexicon available in the CAPLUS and CA files
NEWS 15	Jan 05	AIDSLINE is being removed from STN
NEWS 16	Feb 06	Engineering Information Encompass files have new names
NEWS 17	Feb 16	TOXLINE no longer being updated

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NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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FILE 'HOME' ENTERED AT 10:08:31 ON 26 MAR 2001

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.45	0.45

FILE 'REGISTRY' ENTERED AT 10:10:13 ON 26 MAR 2001
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STRUCTURE FILE UPDATES: 25 MAR 2001 HIGHEST RN 328896-39-5
DICTIONARY FILE UPDATES: 25 MAR 2001 HIGHEST RN 328896-39-5

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Please note that search-term pricing does apply when conducting SmartSELECT searches.

Structure search limits have been increased. See HELP SLIMIT for details.

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=>
Uploading c:\stnexp4\queries\067.str

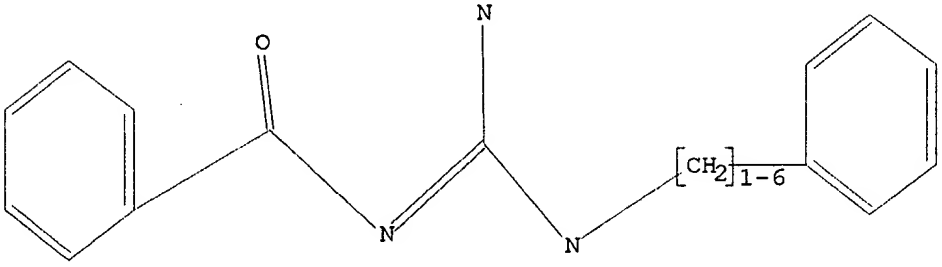
L1 STRUCTURE UPLOADED

=> que L1

L2 QUE L1

=> d l2

L2 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.
L2 QUE L1

=> s l2

SAMPLE SEARCH INITIATED 10:14:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 46 TO ITERATE

100.0% PROCESSED 46 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 514 TO 1326
PROJECTED ANSWERS: 7 TO 298

L3 7 SEA SSS SAM L1

=> search l2

ENTER TYPE OF SEARCH (SSS), CSS, FAMILY, OR EXACT:.

ENTER SCOPE OF SEARCH (SAMPLE), FULL, RANGE, OR SUBSET:full

FULL SEARCH INITIATED 10:14:24 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 969 TO ITERATE

100.0% PROCESSED 969 ITERATIONS 81 ANSWERS
SEARCH TIME: 00.00.04

L4 81 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	135.42	135.87

FILE 'CAPLUS' ENTERED AT 10:14:32 ON 26 MAR 2001
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FILE COVERS 1967 - 26 Mar 2001 VOL 134 ISS 14
FILE LAST UPDATED: 25 Mar 2001 (20010325/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

This file supports REGistRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

Now you can extend your author, patent assignee, patent information, and title searches back to 1907. The records from 1907-1966 now have this searchable data in CAOLD. You now have electronic access to all of CA: 1907 to 1966 in CAOLD and 1967 to the present in CAPLUS on STN.

The CA Lexicon is now available in the Controlled Term (/CT) field. Enter HELP LEXICON for full details.

=> d his

(FILE 'HOME' ENTERED AT 10:08:31 ON 26 MAR 2001)

FILE 'REGISTRY' ENTERED AT 10:10:13 ON 26 MAR 2001
L1 STRUCTURE UPLOADED
L2 QUE L1
L3 7 S L2
L4 81 SEARCH L2 FULL

FILE 'CAPLUS' ENTERED AT 10:14:32 ON 26 MAR 2001

=> s l4

L5 17 L4

=> d fbib ab hitstr 1-17

Applicants

L5 ANSWER 1 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1999:282194 CAPLUS
DN 130:325015
TI Preparation of acylguanidines for the treatment or prophylaxis of neurological injury and neurodegenerative disorders
IN Durant, Graham J.; Padmanabhan, Seetharamaiyer
PA Cambridge Neuroscience, Inc., USA
SO PCT Int. Appl., 78 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9920599	A1	19990429	WO 1998-US22309	19981020
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
			US 1997-64830	19971021
AU 9913626	A1	19990510	AU 1999-13626	19981020
			US 1997-64830	19971021
			WO 1998-US22309	19981020
EP 1032556	A1	20000906	EP 1998-957349	19981020
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
			US 1997-64830	19971021
			WO 1998-US22309	19981020

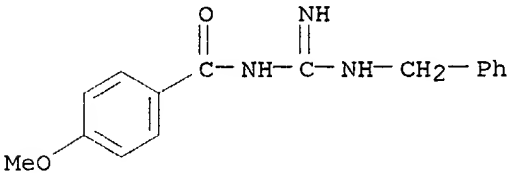
applicants own provisional applications

OS MARPAT 130:325015
AB The title compds. [I (R = (un)substituted cyclic alkyl, carbocyclic aryl, alkylaryl, etc.; R1, R2 = H, alkyl, alkenyl, etc.; X = a bond, (un)substituted alkylene, alkenylene, etc.; R3 = (un)substituted cyclic alkyl, carbocyclic aryl, alkylaryl, etc.), II (R and R1 as above; R2, R3 = H, halo, OH, etc.; W = (un)substituted methylene, S, O, etc.; m = 0-2; n = 0-4), III (R, R1-R3 as above; Y = (un)substituted methylene, S, O, etc.; m, n = 0-4), etc.], particularly useful for the treatment or prophylaxis of neurol. injury and neurodegenerative disorders, were prepd. Thus, treatment of 4-methylbenzoyl chloride with 2-methyl-2-thiopseudourea

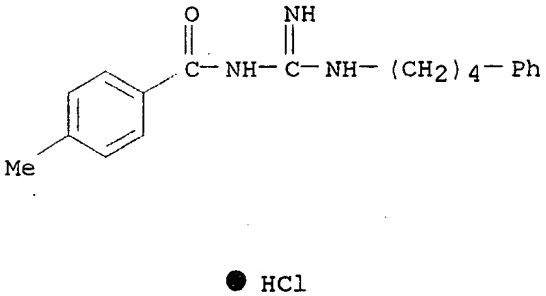
sulfate in 4% NaOH followed by reaction of the resulting N-(4-methylbenzoyl)-S-methylisothiourea with phenylbutylamine in the presence of Et3N afforded 84% IV.HCl which showed 75% seizure inhibition in the DBA/2 mouse model (mouse audiogenic assay) at 20 mg/kg.

IT **18787-58-1P 223685-39-0P 223685-40-3P**
223685-41-4P 223685-44-7P 223686-44-0P
223686-45-1P 223686-47-3P 223686-48-4P
223686-49-5P 223686-50-8P 223686-52-0P
223686-53-1P 223686-54-2P 223686-56-4P
223686-57-5P 223686-62-2P 223686-65-5P
223686-67-7P 223686-70-2P 223686-71-3P
223686-73-5P 223686-75-7P 223686-77-9P
223686-79-1P 223686-81-5P 223686-83-7P
223686-85-9P 223686-87-1P 223686-88-2P
223686-92-8P 223686-96-2P 223686-98-4P
223687-02-3P 223687-04-5P 223687-15-8P
223687-17-0P 223687-19-2P 223687-25-0P
223687-27-2P 223687-61-4P 223687-63-6P
223687-84-1P 223687-85-2P 223687-86-3P
223687-88-5P
RL: BAC (Biological activity or effector, except adverse); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of acylguanidines for the treatment or prophylaxis of neurol. injury and neurodegenerative disorders)

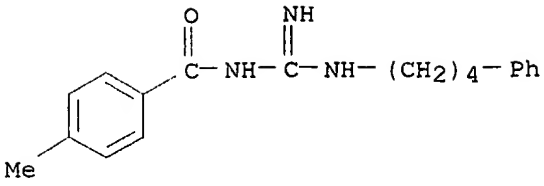
RN 18787-58-1 CAPLUS
CN Benzamide, N-[imino[(phenylmethyl)amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)



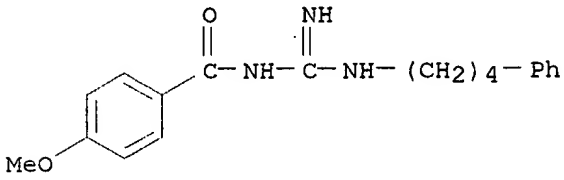
RN 223685-39-0 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-4-methyl-, monohydrochloride (9CI) (CA INDEX NAME)



RN 223685-40-3 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)

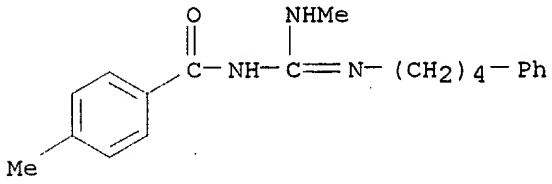


RN 223685-41-4 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-4-methoxy-, monohydrochloride (9CI) (CA INDEX NAME)



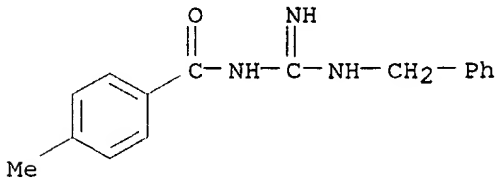
● HCl

RN 223685-44-7 CAPLUS
CN Benzamide, 4-methyl-N-[(methylamino)[(4-phenylbutyl)amino]methylene]-, monohydrochloride (9CI) (CA INDEX NAME)

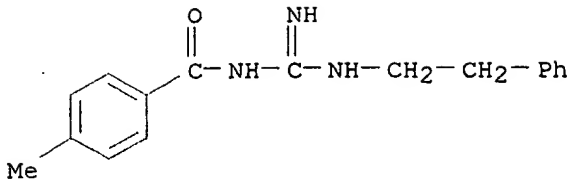


● HCl

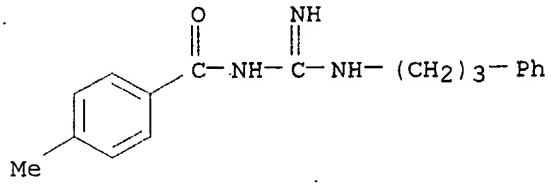
RN 223686-44-0 CAPLUS
CN Benzamide, N-[imino[(phenylmethyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)



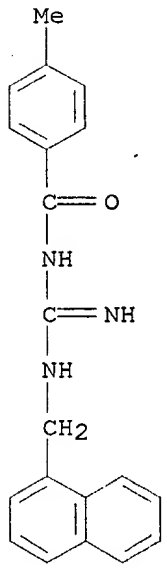
RN 223686-45-1 CAPLUS
CN Benzamide, N-[imino[(2-phenylethyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)



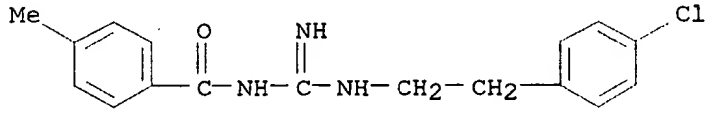
RN 223686-47-3 CAPLUS
CN Benzamide, N-[imino[(3-phenylpropyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)



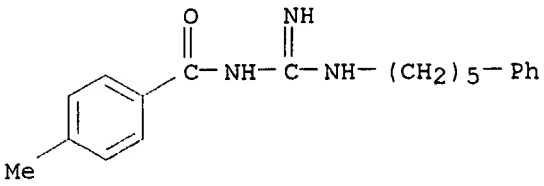
RN 223686-48-4 CAPLUS
CN Benzamide, N-[imino[(1-naphthalenylmethyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)



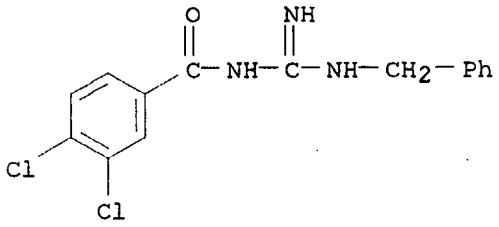
RN 223686-49-5 CAPLUS
CN Benzamide, N-[[[2-(4-chlorophenyl)ethyl]amino]iminomethyl]-4-methyl- (9CI)
(CA INDEX NAME)



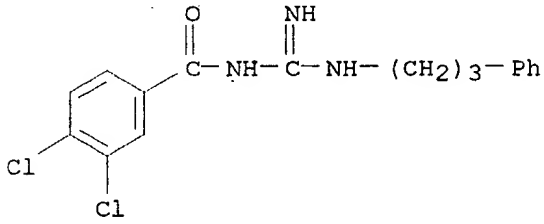
RN 223686-50-8 CAPLUS
CN Benzamide, N-[imino[(5-phenylpentyl)amino]methyl]-4-methyl- (9CI) (CA INDEX NAME)



RN 223686-52-0 CAPLUS
CN Benzamide, 3,4-dichloro-N-[imino[(phenylmethyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223686-53-1 CAPLUS
CN Benzamide, 3,4-dichloro-N-[imino[(3-phenylpropyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223686-54-2 CAPLUS
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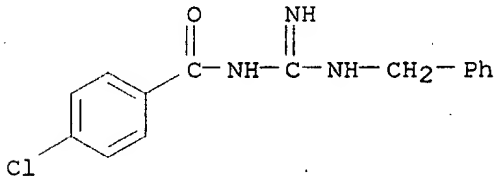
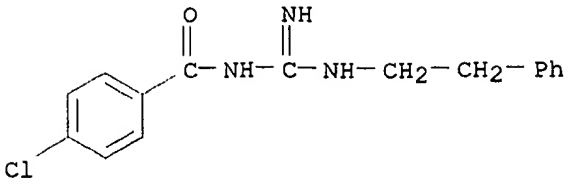
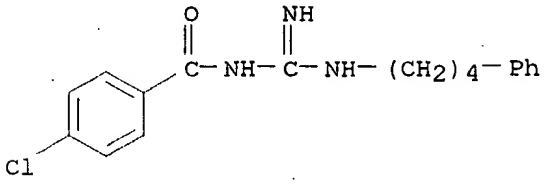


RN 223686-56-4 CAPLUS
CN Benzamide, 4-chloro-N-[imino[(2-phenylethyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223686-57-5 CAPLUS
CN Benzamide, 4-chloro-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223686-62-2 CAPLUS
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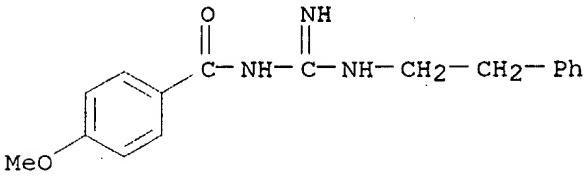
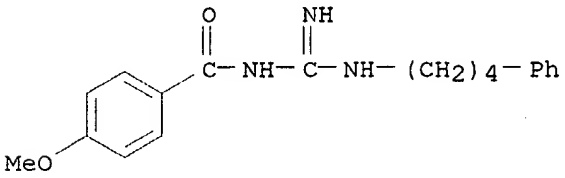
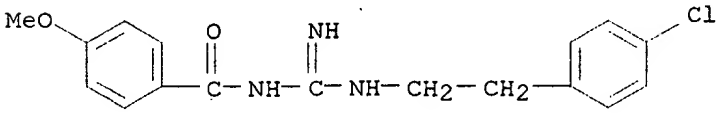


RN 223686-65-5 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)

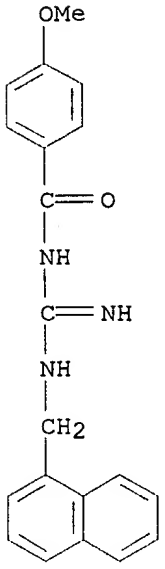


RN 223686-67-7 CAPLUS
CN Benzamide, N-[[[2-(4-chlorophenyl)ethyl]amino]iminomethyl]-4-methoxy- (9CI) (CA INDEX NAME)

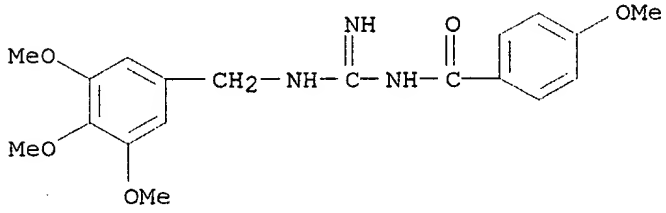


RN 223686-70-2 CAPLUS

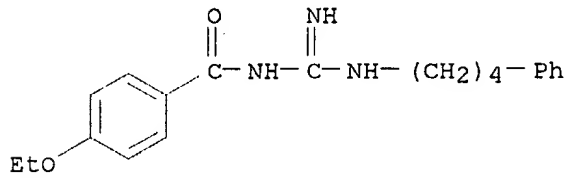
CN Benzamide, N-[imino[(1-naphthalenylmethyl)amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 223686-71-3 CAPLUS
CN Benzamide, N-[imino[[(3,4,5-trimethoxyphenyl)methyl]amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 223686-73-5 CAPLUS
CN Benzamide, 4-ethoxy-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223686-75-7 CAPLUS
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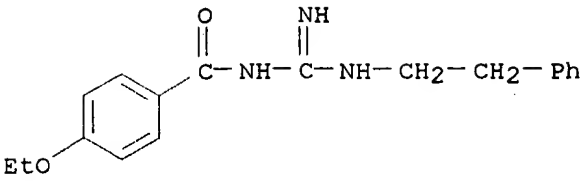

RN 223686-77-9 CAPLUS
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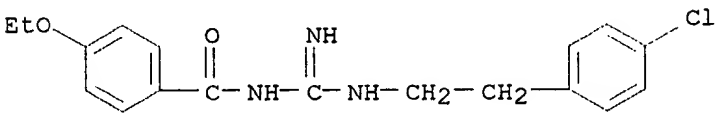
(CA INDEX NAME)



RN 223686-79-1 CAPLUS
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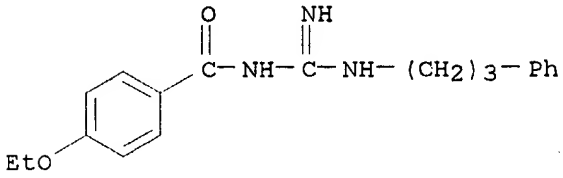

RN 223686-81-5 CAPLUS
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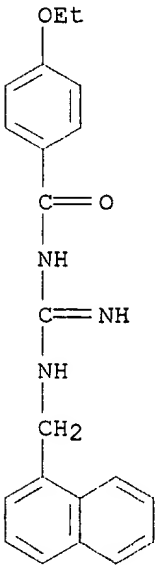
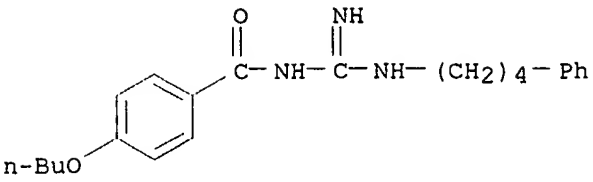
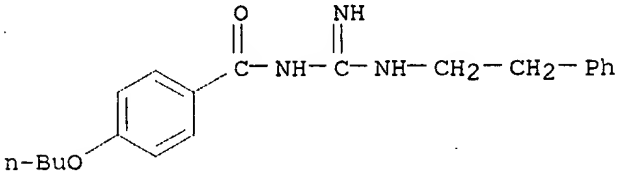


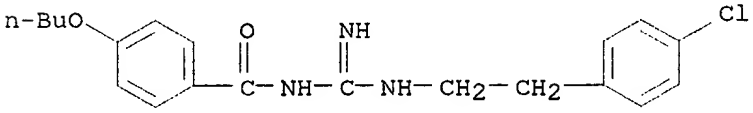
RN 223686-83-7 CAPLUS
CN Benzamide, 4-butoxy-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



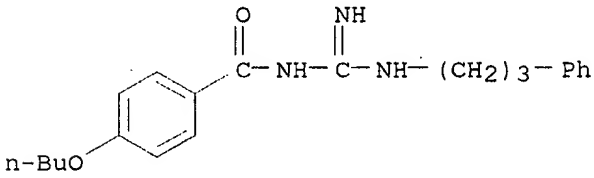
RN 223686-85-9 CAPLUS
CN Benzamide, 4-butoxy-N-[imino[(2-phenylethyl)amino]methyl]- (9CI) (CA INDEX NAME)



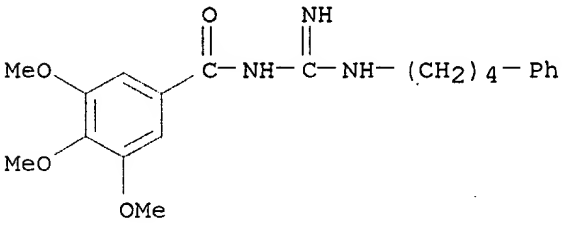
RN 223686-87-1 CAPLUS
CN Benzamide, 4-butoxy-N-[[[2-(4-chlorophenyl)ethyl]amino]iminomethyl]- (9CI)
(CA INDEX NAME)



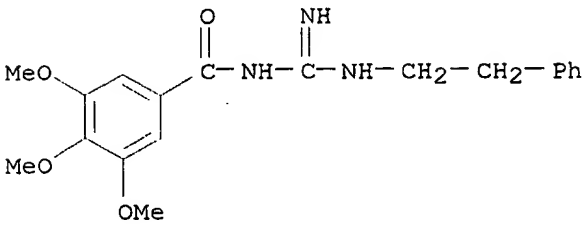
RN 223686-88-2 CAPLUS
CN Benzamide, 4-butoxy-N-[imino[(3-phenylpropyl)amino]methyl]- (9CI) (CA INDEX NAME)



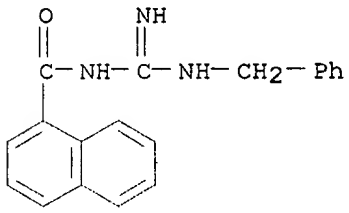
RN 223686-92-8 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



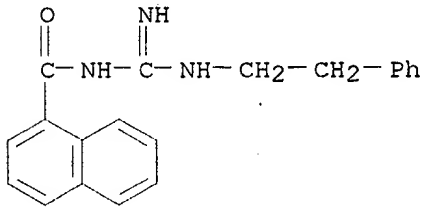
RN 223686-96-2 CAPLUS
CN Benzamide, N-[imino[(2-phenylethyl)amino]methyl]-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)



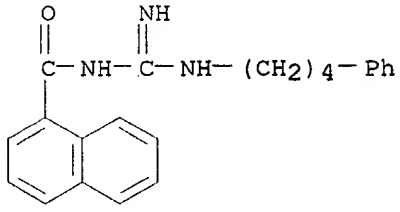
RN 223686-98-4 CAPLUS
CN 1-Naphthalenecarboxamide, N-[imino[(phenylmethyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223687-02-3 CAPLUS
CN 1-Naphthalenecarboxamide, N-[imino[(2-phenylethyl)amino]methyl]- (9CI) (CA INDEX NAME)

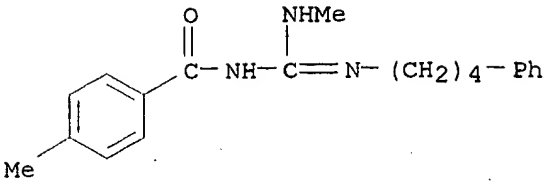


RN 223687-04-5 CAPLUS
CN 1-Naphthalenecarboxamide, N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)

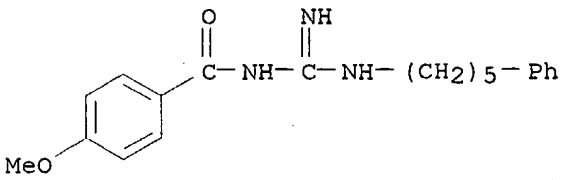


RN 223687-15-8 CAPLUS
CN Benzamide, 4-methyl-N-[(methylamino)[(4-phenylbutyl)amino]methylene]-

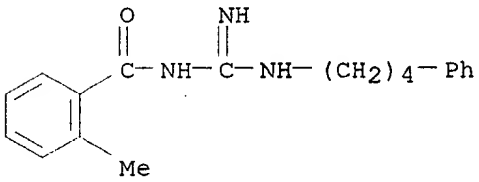
(9CI) (CA INDEX NAME)



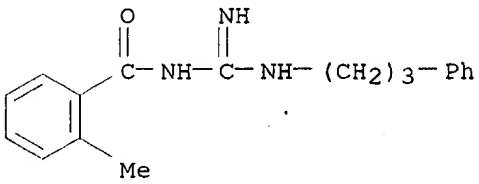
RN 223687-17-0 CAPLUS
CN Benzamide, N-[imino[(5-phenylpentyl)amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)



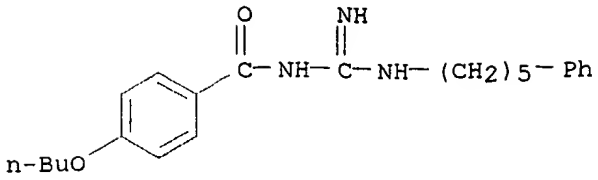
RN 223687-19-2 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]-2-methyl- (9CI) (CA INDEX NAME)



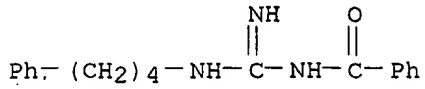
RN 223687-25-0 CAPLUS
CN Benzamide, N-[imino[(3-phenylpropyl)amino]methyl]-2-methyl- (9CI) (CA INDEX NAME)



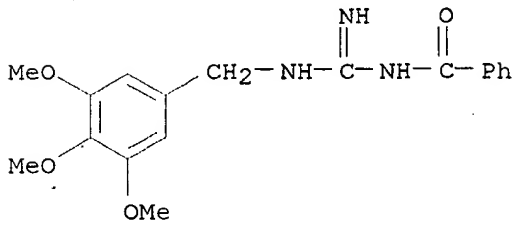
RN 223687-27-2 CAPLUS
CN Benzamide, 4-butoxy-N-[imino[(5-phenylpentyl)amino]methyl]- (9CI) (CA INDEX NAME)



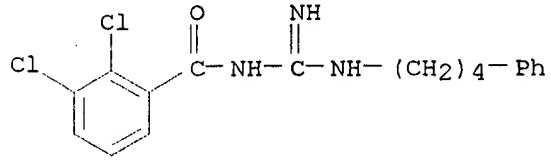
RN 223687-61-4 CAPLUS
CN Benzamide, N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



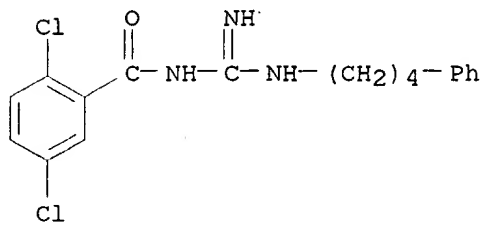
RN 223687-63-6 CAPLUS
CN Benzamide, N-[imino[[(3,4,5-trimethoxyphenyl)methyl]amino]methyl]- (9CI) (CA INDEX NAME)



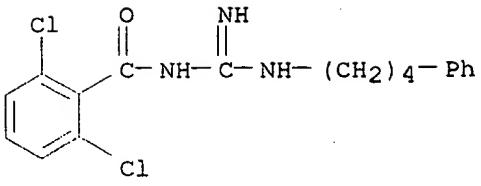
RN 223687-84-1 CAPLUS
CN Benzamide, 2,3-dichloro-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



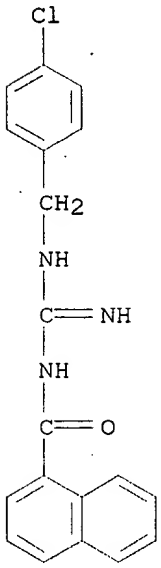
RN 223687-85-2 CAPLUS
CN Benzamide, 2,5-dichloro-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223687-86-3 CAPLUS
CN Benzamide, 2,6-dichloro-N-[imino[(4-phenylbutyl)amino]methyl]- (9CI) (CA INDEX NAME)



RN 223687-88-5 CAPLUS
CN 1-Naphthalenecarboxamide, N-[[[(4-chlorophenyl)methyl]amino]iminomethyl]-
(9CI) (CA INDEX NAME)



RE.CNT 19
RE
(1) Bayer; DE 2545647 A1 1977 CAPLUS
(2) Beiersdorf Aktiengesellschaft; EP 0062844 A1 1982 CAPLUS
(3) Buscemi; Journal of Heterocyclic Chemistry 1988, V25(3), P931 CAPLUS
(5) Gund; Tetrahedron Letters 1972, 38, P3983 CAPLUS
(6) Hamanaka; US 3972872 A 1976 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1999:13150 CAPLUS
DN 130:153238
TI Solid-phase synthesis of N-acyl-N'-carbamoylguanidines
AU Lin, Peishan; Ganesan, A.
CS Institute of Molecular and Cell Biology, National University of Singapore,
Singapore, 117609, Singapore
SO Tetrahedron Lett. (1998), 39(52), 9789-9792
CODEN: TELEAY; ISSN: 0040-4039
PB Elsevier Science Ltd.
DT Journal
LA English
AB Amino acids immobilized on polystyrene-Wang or Rink amide resin were reacted with p-nitrophenyl chloroformate to give an activated urethane that was displaced by S-methylisothiourea. Following N-acylation with an

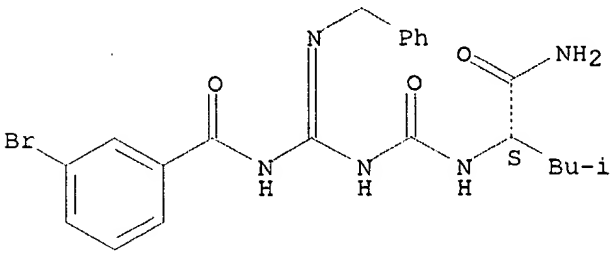
acid chloride, the thiomethyl group was displaced by primary or secondary amines with the aid of mercury (II) chloride to yield the unsym. substituted title compds. after resin cleavage.

IT **220292-80-8P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of N-acyl-N'-carbamoylguanidines)

RN 220292-80-8 CAPLUS

CN Benzamide,
N-[[[[[(1S)-1-(aminocarbonyl)-3-methylbutyl]amino]carbonyl]amino][(phenylmethyl)amino]methylene]-3-bromo- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RE.CNT 21

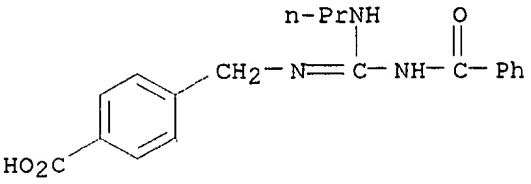
RE
(5) Berlinck, R; Fortschr Chem Org Naturst 1995, V66, P119 CAPLUS
(6) Berlinck, R; Nat Prod Rep 1996, V13, P377 CAPLUS
(8) Chandrakumar, N; Synth Commun 1996, V26, P2613 CAPLUS
(9) Dodd, D; Tetrahedron Lett 1998, V39, P5701 CAPLUS
(10) Drewry, D; Tetrahedron Lett 1997, V38, P3377 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 3 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1998:791584 CAPLUS
DN 130:124871
TI Solid phase synthesis of oligomeric guanidiniums
AU Schneider, Stephen E.; Bishop, Patricia A.; Salazar, Mary Alice; Bishop, Owen A.; Anslyn, Eric V.
CS Department of Chemistry and Biochemistry, The University of Texas at Austin, Austin, TX, 78712, USA
SO Tetrahedron (1998), 54(50), 15063-15086
CODEN: TETRAB; ISSN: 0040-4020
PB Elsevier Science Ltd.
DT Journal
LA English
AB Oligomers contg. guanidinium linkages prepd. via solid phase org. synthesis are of interest as possible therapeutic agents and in the assembly of supramol. architectures. Efficient routes to these oligomers must be developed before their potential may be fully realized. Herein, four routes for their stepwise solid phase synthesis are described. In the first, a resin-bound thiourea was converted to a guanidinium using 2-chloro-1-methylpyridinium iodide. The second method utilized aza-Wittig couplings to prep. guanidiniums from resin-bound carbodiimides. Next, highly activated monomers prepd. from bis-tert-butyloxycarbonythioureas and 2,4-dinitrofluorobenzene formed guanidiniums upon reaction with terminal amines. The optimum route, however, relied upon the 1-(3-dimethylaminopropyl)-3-ethylcarbodiimide hydrochloride promoted coupling of a protected thiourea monomer with a resin-bound amine to produce the guanidinium linkage. The thiourea monomers for this method are easily prepd. from mono-protected diamines and benzoyl or Fmoc isothiocyanate. The procedure is straightforward proceeds cleanly in a

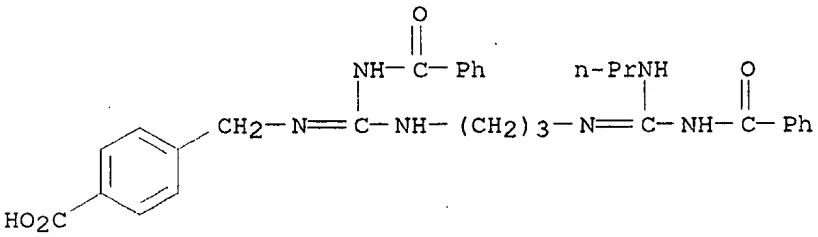
relatively short period of time, and is compatible with several functional groups.

IT **219800-73-4P 219800-75-6P 219800-77-8P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(solid phase synthesis of oligomeric guanidinium compds.)

RN 219800-73-4 CAPLUS
CN Benzoic acid, 4-[[[(benzoylamino)(propylamino)methylene]amino]methyl]- (9CI) (CA INDEX NAME)

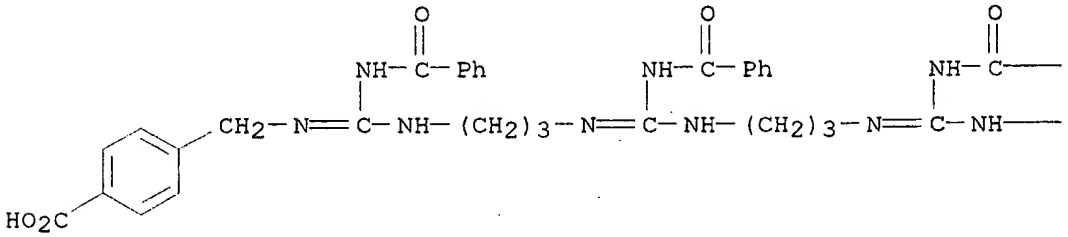


RN 219800-75-6 CAPLUS
CN Benzoic acid, 4-[3,9-bis(benzoylamino)-2,4,8,10-tetraazatrideca-2,8-dien-1-yl]- (9CI) (CA INDEX NAME)

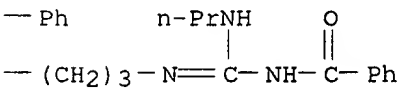


RN 219800-77-8 CAPLUS
CN Benzoic acid, 4-[3,9,15,21-tetrakis(benzoylamino)-2,4,8,10,14,16,20,22-octaazapentacosa-2,8,14,20-tetraen-1-yl]- (9CI) (CA INDEX NAME)

PAGE 1-A

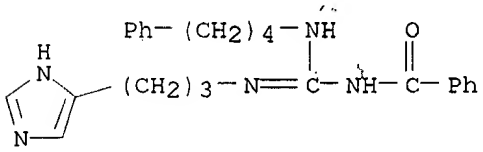


PAGE 1-B

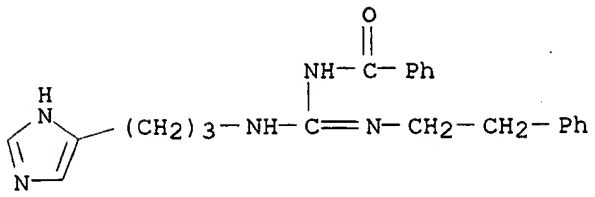


RE.CNT 69
RE
(1) Albert, J; Bioorg Med Chem 1997, V5, P1455 CAPLUS
(2) Appella, D; J Am Chem Soc 1996, V118, P13071 CAPLUS
(3) Appella, D; Nature 1997, V387, P381 CAPLUS
(4) Astles, P; Bioorg Med Chem Lett 1997, V7, P907 CAPLUS
(5) Baird, E; J Am Chem Soc 1996, V118, P6141 CAPLUS
ALL CITATIONS AVAILABLE IN THE RE FORMAT

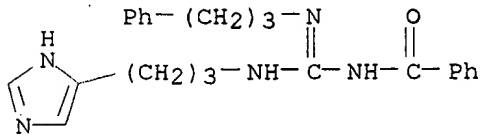
L5 ANSWER 4 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1993:147506 CAPLUS
DN 118:147506
TI Synthesis and histamine H2 agonistic activity of arpromidine analogs: replacement of the pheniramine-like moiety by non-heterocyclic groups.
AU Buschauer, A.; Friese-Kimmel, A.; Baumann, G.; Schunack, W.
CS Inst. Pharm., Freie Univ. Berlin, Berlin, W-1000/33, Germany
SO Eur. J. Med. Chem. (1992), 27(4), 321-30
CODEN: EJMCA5; ISSN: 0223-5234
DT Journal
LA English
OS CASREACT 118:147506
AB Analogs of the potent histamine H2 agonist arpromidine (I), characterized by nonheterocyclic groups (Ph, cyclohexyl, alkyl) instead of the pheniramine-like portion, were prepd. and tested for their H2 agonistic and H1 antagonistic activity in the isolated guinea pig right atrium and ileum, resp. In the diphenylpropylguanidine series, an increase in H2 agonistic potency resulted from mono- or difluorination at one or both Ph rings in the meta and/or para position (pD2 .ltoreq. 7.75 vs pD2 = 7.15 for the unsubstituted parent compd.). Compds. chlorinated at both Ph rings were considerably less potent. Highest combined H2 agonistic/H1 antagonistic potency was found in the 4-fluorophenyl series. The arpromidine analog with cyclohexyl and Me group instead of Ph and pyridine ring was 30 times more potent than histamine in the atrium. The H1 antagonistic potency in cyclohexyl compds. was lower than in the diaryl series. Thus, arom. rings appear not to be required for high H2 agonistic potency but are useful for combined H2 agonistic/H1 antagonistic activity.
IT **106668-78-4P 144290-35-7P 144290-36-8P 144290-37-9P**
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation)
(prepn. and debenzoylation of)
RN 106668-78-4 CAPLUS
CN Benzamide, N-[[[3-(1H-imidazol-4-yl)propyl]amino][(4-phenylbutyl)amino]methylene]- (9CI) (CA INDEX NAME)



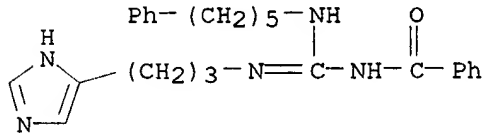
RN 144290-35-7 CAPLUS
CN Benzamide, N-[[[3-(1H-imidazol-4-yl)propyl]amino][(2-phenylethyl)amino]methylene]- (9CI) (CA INDEX NAME)



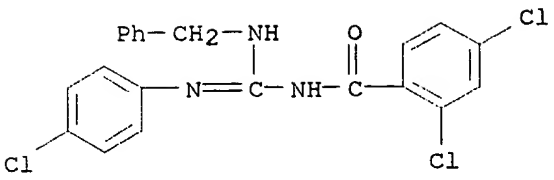
RN 144290-36-8 CAPLUS
CN Benzamide, N-[[[3-(1H-imidazol-4-yl)propyl]amino][(3-phenylpropyl)amino]methylene]- (9CI) (CA INDEX NAME)



RN 144290-37-9 CAPLUS
CN Benzamide, N-[[[3-(1H-imidazol-4-yl)propyl]amino][(5-phenylpentyl)amino]methylene]- (9CI) (CA INDEX NAME)



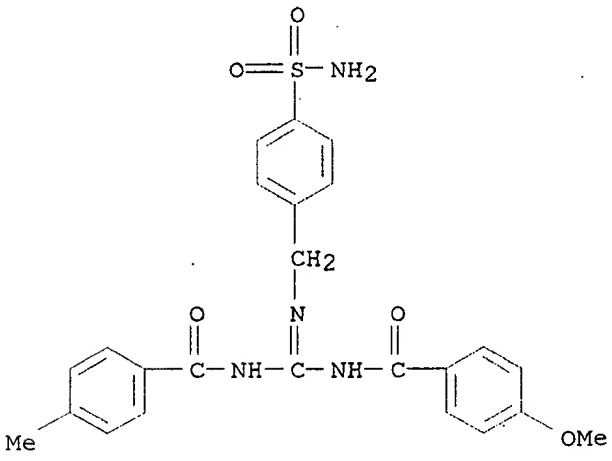
L5 ANSWER 5 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1991:429165 CAPLUS
DN 115:29165
TI Synthesis and reaction of 2-imino-1,3-thiazetidines and 2-imino-1,3-dithietanes
AU Okajima, Nobuyuki; Okada, Yoshiyuki
CS Plant Protect. Res. Lab., Takeda Chem. Ind. Co., Ltd., Osaka, 532, Japan
SO J. Heterocycl. Chem. (1991), 28(1), 177-85
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
OS CASREACT 115:29165
AB 2-Imino-1,3-thiazetidines and 2-imino-1,3-dithetanes were synthesized and their reactivities were studied. The former readily underwent ring-opening reaction with amines to yield guanidine derivs. The reaction products were applied to the synthesis of heterocycles such as triazoles and triazines. The latter was converted to isothiocyanates by the reaction of m-chloroperbenzoic acid. Thus, the thiazetidine I, prepd. in quant. yield from 2,4-Cl2C6H3CONHC(S)NHC6H4Cl-4 and CH2I2, was treated with HN:C(SMe)NH2.1/2H2SO4 to give the triazine II in 85% yield.
IT **133476-45-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 133476-45-6 CAPLUS
CN Benzamide, 2,4-dichloro-N-[[(4-chlorophenyl)amino][(phenylmethyl)amino]methylene]- (9CI) (CA INDEX NAME)



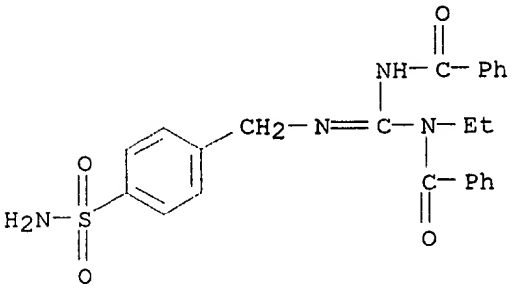
L5 ANSWER 6 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1991:185043 CAPLUS
DN 114:185043
TI Preparation of guanidinedicarbonyl derivatives as anxiolytics
IN Tomcufcik, Andrew S.; Dixon, James S.; Epstein, Joseph W.; Birnberg, Gary H.; Fanshawe, William J.
PA American Cyanamid Co., USA
SO U.S., 22 pp. Cont.-in-part of U.S. Ser. No. 860,406, abandoned.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 4977189	A	19901211	US 1988-217518	19880711
				US 1986-860406	19860507

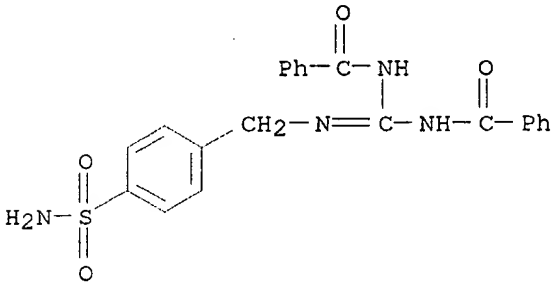
OS MARPAT 114:185043
AB The title compds. [I; R1 = C1-10 alkyl, biphenylyl, phenylalkyl, phenoxyalkyl, naphthyl, adamantyl, C5-7 cycloalkenyl, (substituted) Ph, etc.; R2 = dialkylamino C1-3 alkyl, (substituted) Ph or benzyl; R3 = H, C1-6 alkyl; R4 = H, halo, CF3, NO2, C1-6 alkyl, C1-3 alkoxy], anxiolytics useful in the treatment of hypoxia and amnesia, were prepd. For example, an equimolar mixt. of 3-MeC6H4CON:C(SMe)NHCOC6H4Me-4 (prepn. from 3-MeC6H4CON:C(SMe)NH2.cntdot.HI and 4-MeC6H4COCl given) and 4-NH2C6H4CONH2
in Me2CHOH was refluxed 14 h to give title compd. I (R1 = 3-MeC6H4, R2 = 4-H2NCOC6H4, R3 = H, R4 = 4-Me) (II). The latter in rats inhibited 3H-benzodiazepine binding to brain-specific receptors by 85%.
IT **133244-52-7P 133244-53-8P 133278-52-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as anxiolytic)
RN 133244-52-7 CAPLUS
CN Benzamide, N-[[[[4-(aminosulfonyl)phenyl]methyl]amino][(4-methoxybenzoyl)amino]methylene]-4-methyl- (9CI) (CA INDEX NAME)



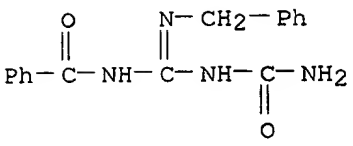
RN 133244-53-8 CAPLUS
CN Benzamide,
N-[[[[4-(aminosulfonyl)phenyl]methyl]amino](benzoylimino)methyl
]-N-ethyl- (9CI) (CA INDEX NAME)



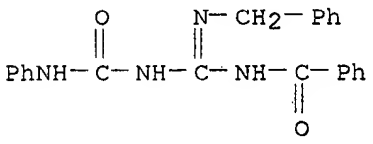
RN 133278-52-1 CAPLUS
CN Benzamide, N,N'-[[[4-(aminosulfonyl)phenyl]methyl]carbonimidoyl]bis-
(9CI)
(CA INDEX NAME)



L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1989:231237 CAPLUS
DN 110:231237
TI Action of amines on 1-benzoyl-2-thiobiuret and its 5-phenyl derivative
AU Fouli, F. A.; Shaban, M. E.; Youssef, A. S. A.
CS Fac. Sci., Ain Shams Univ., Cairo, Egypt
SO Egypt. J. Chem. (1987), Volume Date 1986, 29(4), 453-7
CODEN: EGJCA3; ISSN: 0367-0422
DT Journal
LA English
AB Treatment of BzNHCSNHCONHR (I, R = H) with BuNH2 gave cyclized product II
along with substitution product BzNHC(NHR1):NCONHR (III, R = H, R1 = Bu).
Treatment of I (R = H, Ph) with PhCH2NH2 gave III (R = H, Ph; R1 =
CH2Ph),
while reaction of I (R = Ph) with BuNH2 gave B2NHBu and H2NCSNHCONHPh.
Thiol tautomers of I were also isolated in all reactions.
IT **120781-38-6P 120781-39-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 120781-38-6 CAPLUS
CN Benzamide, N-[[(aminocarbonyl)amino][(phenylmethyl)amino]methylene]-
(9CI)
(CA INDEX NAME)



RN 120781-39-7 CAPLUS
CN Benzamide,
N-[[[(phenylamino)carbonyl]amino][(phenylmethyl)amino]methylene
]- (9CI) (CA INDEX NAME)



L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1987:84609 CAPLUS
DN 106:84609
TI (Imidazolylalkyl)guanidines and their use as histamine H1 antagonists and H2 agonists
IN Buschauer, Armin; Schickanedar, Helmut; Schunack, Walter; Elz, Sigurd; Szelenyi, Istvan; Baumann, Gert; Ahrens, Kurt Henning
PA Heumann Pharma G.m.b.H. und Co., Fed. Rep. Ger.
SO Eur. Pat. Appl., 209 pp.
CODEN: EPXXDW
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 199845	A1	19861105	EP 1985-114205	19851107
	EP 199845	B1	19900801		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
				DE 1985-3512084	19850402
				DE 1985-3528214	19850806
				DE 1985-3528215	19850806
	DE 3512084	A1	19861009	DE 1985-3512084	19850402
	DE 3528214	A1	19870212	DE 1985-3528214	19850806
	DE 3528215	A1	19870212	DE 1985-3528215	19850806
	AT 55126	E	19900815	AT 1985-114205	19851107
				DE 1985-3512084	19850402
				DE 1985-3528214	19850806
				DE 1985-3528215	19850806
				EP 1985-114205	19851107

PATENT FAMILY INFORMATION:
FAN 1987:102282

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3512084	A1	19861009	DE 1985-3512084	19850402
	EP 199845	A1	19861105	EP 1985-114205	19851107
	EP 199845	B1	19900801		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
				DE 1985-3512084	19850402
				DE 1985-3528214	19850806
				DE 1985-3528215	19850806
	AT 55126	E	19900815	AT 1985-114205	19851107
				DE 1985-3512084	19850402

			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
			EP 1985-114205	19851107
HU 41392	A2	19870428	HU 1985-4424	19851120
HU 198024	B	19890728		
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
DK 8505388	A	19861003	DK 1985-5388	19851121
DK 165367	B	19921116		
DK 165367	C	19930405		
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
IL 77492	A1	19911215	IL 1985-77492	19851231
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
ZA 8600006	A	19860827	ZA 1986-6	19860102
			DE 1985-3512084	19850402
AU 8651828	A1	19861009	AU 1986-51828	19860102
AU 589586	B2	19891019		
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
CA 1266657	A1	19900313	CA 1986-499110	19860107
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
ES 550875	A1	19880401	ES 1986-550875	19860114
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
JP 61236771	A2	19861022	JP 1986-72399	19860328
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
ES 557691	A1	19880301	ES 1987-557691	19870828
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
ES 557692	A1	19880301	ES 1987-557692	19870828
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
ES 557693	A1	19880301	ES 1987-557693	19870828
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
US 5021431	A	19910604	US 1989-318467	19890228
			DE 1985-3512084	19850402
			DE 1985-3528214	19850806
			DE 1985-3528215	19850806
			US 1985-802976	19851129

AB The title compds. I [R = substituted Ph, naphthyl, pyridinyl, thiazolyl, imidazolyl; R1 = H, Bz; R2 = H, Me; Z = (un)substituted alkylene, oxaalkylene, azaalkylene, thiaalkylene, etc.; n = 2, 3] were prepd. for treatment of heart and circulatory system disorders. Thus, 2-[[2-[(dimethylamino)methyl]-5-methylimidazol-4-yl]methyl]thio]ethylamine, 3-imidazol-4-ylpropylamine, and BzN:C(OPh)2 were stirred together in MeCN to give 10% benzoylguanidine II (R3 = Bz). This was debenzoylated by refluxing in aq. HCl to give 95% II.4HCl (R3 = H) (III). III is a histamine H1 receptor antagonist (pA2 = 5.50) and an

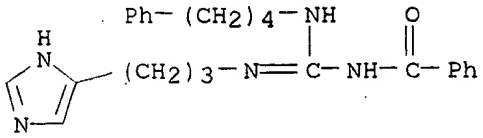
H2 receptor agonist (pD2 = 7.17) in isolated guinea pig ileum and atrium preps., resp.

IT **106668-78-4P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antihistaminic and cardiovascular agent)

RN 106668-78-4 CAPLUS

CN Benzamide, N-[[[3-(1H-imidazol-4-yl)propyl]amino][(4-phenylbutyl)amino]methylene]- (9CI) (CA INDEX NAME)



L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2001 ACS

AN 1986:552653 CAPLUS

DN 105:152653

TI The reaction of dimethyl N-benzoylcarbonimidodithioates with amines

AU Fukada, Naoaki; Hayashi, Masahiro; Suzuki, Yukari

CS Fac. Sci., Chiba Univ., Chiba, 260, Japan

SO Bull. Chem. Soc. Jpn. (1985), 58(11), 3379-80
CODEN: BCSJA8; ISSN: 0009-2673

DT Journal

LA English

OS CASREACT 105:152653

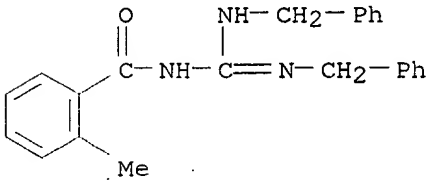
AB RCON:C(SMe)2 (I; R = 2-MeC6H4, 4-O2NC6H4) reacted with R1R2NH (R1 = PhCH2, Ph; R2 = H; R1R2 = CH2CH2OCH2CH2) in EtOH to give 55-97% RCON:C(SMe)NR1R2. I reacted with R1R2NH in refluxing xylene to give 57-84% RCON:C(NR1R2)2. Similarly 94-96% imidazolidines II and 63% oxazolidine III were prepd. by treating I with H2NCH2CH2NH2 and H2NCH2CH2OH, resp.

IT **104496-52-8P 104496-56-2P**

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

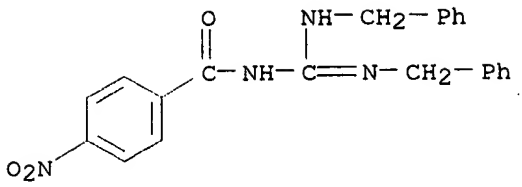
RN 104496-52-8 CAPLUS

CN Benzamide, N-[bis[(phenylmethyl)amino]methylene]-2-methyl- (9CI) (CA INDEX NAME)



RN 104496-56-2 CAPLUS

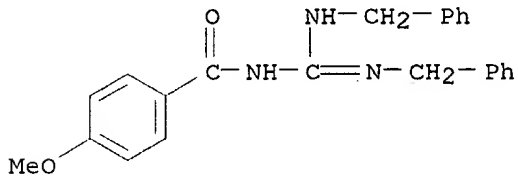
CN Benzamide, N-[bis[(phenylmethyl)amino]methylene]-4-nitro- (9CI) (CA INDEX NAME)



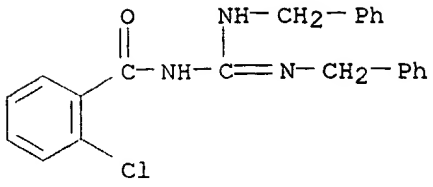
L5 ANSWER 10 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1984:138782 CAPLUS
DN 100:138782
TI N-Aroyl- and hetaroyl imides
IN Augustin, Manfred; Richter, Monika; Strauss, Karin
PA Ger. Dem. Rep.
SO Ger. (East), 10 pp.
CODEN: GEXXA8
DT Patent
LA German
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DD 200618	Z	19830525	DD 1981-233863	19811005

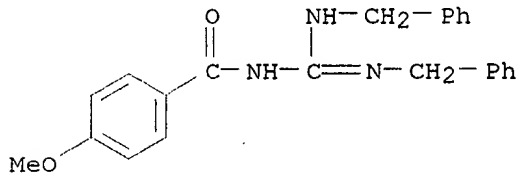
AB RCON:CR1R2 [R = halo (un)substituted Ph, PhCH:CH, furylvinyl, furyl, pyridyl, thienyl; R1, R2 = SH, MeS, C1-5 alkylamino, arylamino, (un)substituted aryl, PhCH2NH, cyclohexylamino] were prepd. by treating RCONH2 with isothiocyanates [to give RCON:C(SX)NHY [X = H, Me, C1-5 alkyl, nuclear halo (un)substituted PhCOCH2, Y = C1-5 alkyl, halo (un)substituted aryl, cyclohexyl, PhCH2] or with carbodiimides [to give RCON:C(NHY)2]. Successively treating 2-pyridinecarboxamide in DMF or Me2SO with NaH under N2, PhNCO with 4 h stirring, and with MeI in DMF gave pyridinecarboximide I. The carboximides are possible candidates for protective agents (no further information).
IT **74074-33-2P 88241-07-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 74074-33-2 CAPLUS
CN Benzamide, N-[bis[(phenylmethyl)amino]methylene]-4-methoxy- (9CI) (CA INDEX NAME)



RN 88241-07-0 CAPLUS
CN Benzamide, N-[bis[(phenylmethyl)amino]methylene]-2-chloro- (9CI) (CA INDEX NAME)



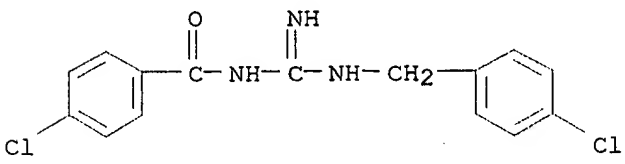
L5 ANSWER 11 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1980:426307 CAPLUS
DN 93:26307
TI Reactions with N-acylimino dithiocarbonic acid diesters
AU Augustin, M.; Richter, M.; Salas, S.
CS Sekt. Chem., Martin-Luther-Univ. Halle-Wittenberg, Halle/Saale, DDR-4020, Ger. Dem. Rep.
SO J. Prakt. Chem. (1980), 322(1), 55-68
CODEN: JPCEAO; ISSN: 0021-8383
DT Journal
LA German
AB RC6H4CON:C(SMe)2 (I; R = H, 2-Cl, 4-MeO, 4-NO2), prepd. by the methylation of RC6H4CONHCS2Me, reacted with nucleophiles to give heterocycles. Thus, reaction of I with 2-HZC6H4NH2 (Z = O, S, NH) gave II and with H2N(CH2)nNH2 (n = 2, 3, 4, 6) gave III or [RC6H4CON:C(SMe)NH]2(CH2)6. I (R = H), reacted with hydrazines, or BzNHNH2, to give IV (R1 = H, Ph), RC6H4CON:C(SMe)NHNHBz, or V. Reaction of I with guanidines, (H2N)2CS or its salts, or amidine gave the triazines VI (R = H, 2-Cl, 4-OMe; R2 = SMe, OEt; R3 = NH2, SH, Ph, SMe). BzCONHCS2Me reacted with CH-acidic compds. to give the thiazoles VII (R4 = Ph, Bz, COC6H4Br-4).
IT **74074-33-2P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 74074-33-2 CAPLUS
CN Benzamide, N-[bis[(phenylmethyl)amino]methylene]-4-methoxy- (9CI) (CA INDEX NAME)



L5 ANSWER 12 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1972:563827 CAPLUS
DN 77:163827
TI Novel reaction of guanidine with benzaldehydes
AU Gund, P.; Berkelhammer, G.; Wayne, R. S.
CS Chem. Res. Dev. Lab., Am. Cyanamid Co., Princeton, N. J., USA
SO Tetrahedron Lett. (1972), (38), 3983-6
CODEN: TELEAY
DT Journal
LA English
AB ArCHO (Ar = p-Cl- or p-Me-C6H4, or Ph) with (NH2)2C:NH.0.5H2CO3 in MeONa-EtOH gave, on treatment with concd. HCl, ArCONHC(:NH.HCl)-NHCH2Ar, ArCO2H, and ArCH2OH. The mechanism may in-volve successive formation of ArCH:OC(:NH)NH2 and ArCH:-NC(:NH)NHCH(OH)Ar (I) with subsequent intramol.

hydride shift in the oxyanion of I.

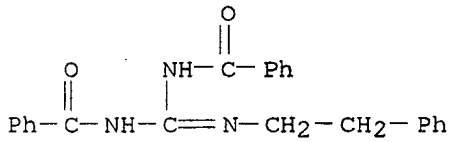
IT **38570-12-6P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 38570-12-6 CAPLUS
CN Benzamide, 4-chloro-N-[[[(4-chlorophenyl)methyl]amino]iminomethyl]-, monohydrochloride (9CI) (CA INDEX NAME)



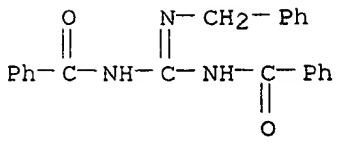
● HCl

L5 ANSWER 13 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1971:420936 CAPLUS
DN 75:20936
TI Guanidines. VII. Guanidilation of amino acids by N-acyl+pseudoureas
AU Nowak, Kornel
CS Akad. Med., Wroclaw, Pol.
SO Rocz. Chem. (1970), 44(10), 1905-10
CODEN: ROCHAC
DT Journal
LA Polish
AB In this abstr. Z = PhCH2O2C. Reaction of ZNHC(SMe):NH (I) or ZCONHC(OMe):NH with amines, amino acids, or amino acid amides gave substituted guanidines, R1 CH:C(NHR2)NHR3 (II, R1 = H or Bz; R2 = Z, Bz, or PhCH2; R3 = PhCH2, Ph(CH2)2, CH2CO2H, etc.). I reacted with amino acid esters to give 2-imino-4-imidazolidinones (III) or their isomers (IV). Reaction of H2NCH2CONHCH2Ph with ZNHCH(CH2Ph)CONHC(SMe):NZ in MeOH gave ZNHCH(CH2Ph)CO2Me and ZNHC(:NH)NHCH2CONHCH2Ph. Thus, I was refluxed with PhCH2NH2.HCl in EtOH and the product treated with NEt3 to give II (R1 = H, R2 = Z, R3 = PhCH2). I was heated with H2NCH2CO2Et.HCl in MeOH to give III or IV (R = H). Similarly prepd. was III (R = Me).

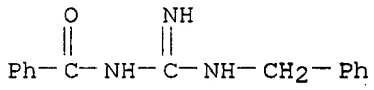
IT **22102-74-5P 23121-41-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 22102-74-5 CAPLUS
CN Guanidine, 1,2-dibenzoyl-3-phenethyl- (8CI) (CA INDEX NAME)



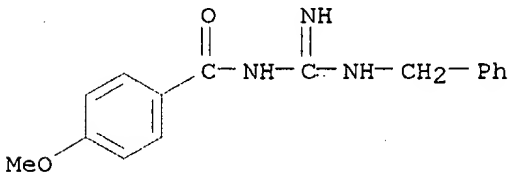
RN 23121-41-7 CAPLUS
CN Guanidine, 1,2-dibenzoyl-3-benzyl- (8CI) (CA INDEX NAME)



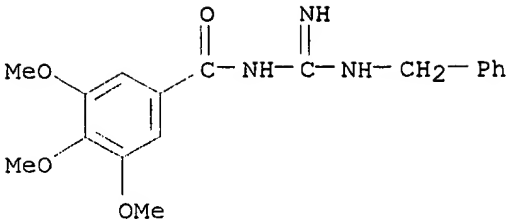
L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1971:136938 CAPLUS
DN 74:136938
TI Antituberculous activity of guanidine derivatives
AU Malyuga, O. A.; Galanova, R. Ya.; Petrenko, G. M.; Mukhina, N. A.; Semukhina, G. V.
CS Novokuznetsk. Nauchno-Issled. Khim.-Farm. Inst., Novokuznetsk, USSR
SO Khim.-Farm. Zh. (1971), 5(3), 12-16
CODEN: KHFZAN
DT Journal
LA Russian
AB 1-Isonicotinamidoguanidine, 1-benzyl-3-cinnamoylguanidine, 1-benzyl-3-(4-methoxybenzoyl)-guanidine, and 1-benzyl-3-(4-bromobenzoyl)guanidine had the strongest bacteriostatic activity of 25 guanidine derivs. (I) tested against Mycobacterium tuberculosis strains H37Rv and Academia. The tuberculostatic activity of the compds. was not affected in the presence of 10% normal horse serum. None of the guanidine derivs. tested had any significant inhibitory effect on the growth of M. tuberculosis strain Avium P.
IT **18787-57-0 18787-58-1 18787-59-2 32451-27-7 32514-44-6 32514-45-7**
RL: BAC (Biological activity or effector, except adverse); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(antitubercular activity of)
RN 18787-57-0 CAPLUS
CN Benzamide, N-[imino[(phenylmethyl)amino]methyl]- (9CI) (CA INDEX NAME)



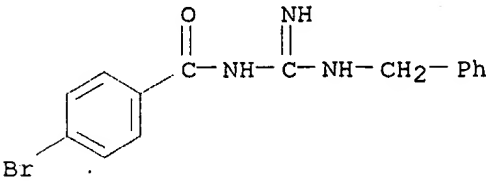
RN 18787-58-1 CAPLUS
CN Benzamide, N-[imino[(phenylmethyl)amino]methyl]-4-methoxy- (9CI) (CA INDEX NAME)



RN 18787-59-2 CAPLUS
CN Benzamide, N-[imino[(phenylmethyl)amino]methyl]-3,4,5-trimethoxy- (9CI) (CA INDEX NAME)

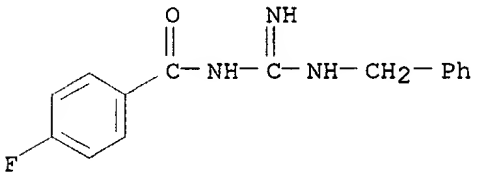


RN 32451-27-7 CAPLUS
CN Benzamide, N-(benzylamidino)-p-bromo-, monohydrochloride (8CI) (CA INDEX NAME)



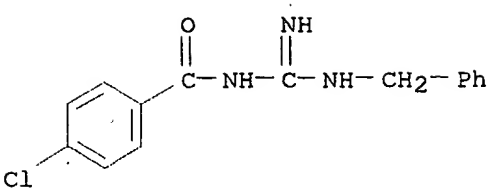
● HCl

RN 32514-44-6 CAPLUS
CN Benzamide, N-(benzylamidino)-p-fluoro-, monohydrochloride (8CI) (CA INDEX NAME)



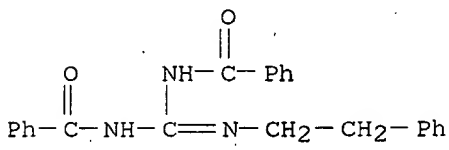
● HCl

RN 32514-45-7 CAPLUS
CN Benzamide, N-(benzylamidino)-p-chloro-, monohydrochloride (8CI) (CA INDEX NAME)

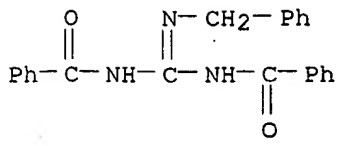


● HCl

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1969:115526 CAPLUS
DN 70:115526
TI Guanidine derivatives of amino acids and their derivatives by N-acyl-S-methylisothiourea
AU Nowak, Kornel
CS Akad. Med. Wroclaw, Wroclaw, Poland
SO Rocz. Chem. (1969), 43(1), 231-2
CODEN: ROCHAC
DT Journal
LA Polish
AB N-(N-Benzoyl-DL-phenylalanyl)-, N-carbobenzoxy-, N-benzoyl-, N,N'-dicarbobenzoxy-, N,N'-dibenzoyl-S-methylisothioureas, and N-carbobenzoxy-, N-benzoyl-O-methylisoureas were used for guanidylation of benzylamine, 2-phenylethylamine, NH3, amino acids, and their amides. The following compds. were reported (compd., m.p., and % yield given): N-carbobenzoxy-N'-(2-phenylethyl)guanidine, 104.degree., 44; N-carbobenzoxy-N'-benzylguanidine, 167.degree., 57; N-(N-carbobenzoxyamidino)glycylbenzylamine, 160.degree., 81; N-[N-(N-benzoyl-DL-phenylalanyl)amidino]glycylbenzylamine, 95.degree., 63; N,N'-dibenzoyl-N''-(2-phenylethyl)guanidine, 126-7.degree., 76; N,N'-dibenzoyl-N''-benzylguanidine, 161.degree., 81; N-carbobenzoxyguanidine, 147-8.degree., 90; N-(N-carbobenzoxyamidino)-DL-phenylalanine, 161.degree., 87; N-(N-carbobenzoxyamidino)glycine, >240.degree., 70; N-(N-benzoylamidino)glycine, >320.degree., 41.
IT **22102-74-5P 23121-41-7P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 22102-74-5 CAPLUS
CN Guanidine, 1,2-dibenzoyl-3-phenethyl- (8CI) (CA INDEX NAME)



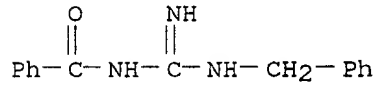
RN 23121-41-7 CAPLUS
CN Guanidine, 1,2-dibenzoyl-3-benzyl- (8CI) (CA INDEX NAME)



L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2001 ACS
AN 1969:3394 CAPLUS
DN 70:3394
TI Synthesis and pharmacological properties of some acyl derivatives of benzylguanidine
AU Semukhina, G. V.; Sharmova, Z. I.; Mikhailova, T. V.; Mukhina, N. A.; Gilev, A. P.
CS Novokuznetsk. Nauch.-Issled. Khim.-Farm. Inst., Novokuznetsk, USSR
SO Khim.-Farm. Zh. (1968), 2(8), 22-5
CODEN: KHFZAN
DT Journal
LA Russian
AB Seven pharmacol. active N-benzyl-N'-acylguanidines [PhCH2-NHC(:NH.HX)NHR] (I) were synthesized by refluxing 0.01 mole benzylguanidine sulfate and 0.04 mole of the corresponding acid chloride 6-12 hrs. at 80-100.degree.. The I prepd. were (R, HX, m.p., and % yield given): Bz, H2SO4, 217-18.degree., 60.5; 4-MeOC6H4CO, H2SO4, 181-3.degree., 82.2; 3,4,5-(MeO)3C6H2CO, H2SO4, 235-6.degree., 50.8; p-MeC6H4SO2, H2SO4, 178-80.degree., 52.3; valeroyl, HCl, 220-2.degree., 69.9; isoveleroyl, H2SO4, 168-70.degree., 54.5; Me3CCO, HCl, 137-9.degree., 50.
IT **20801-63-2P 20801-64-3P 20801-65-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 20801-63-2 CAPLUS
CN Benzamide, N-(benzylamidino)-, sulfate (2:1) (8CI) (CA INDEX NAME)

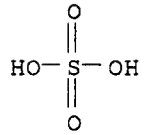
CM 1

CRN 18787-57-0
CMF C15 H15 N3 O



CM 2

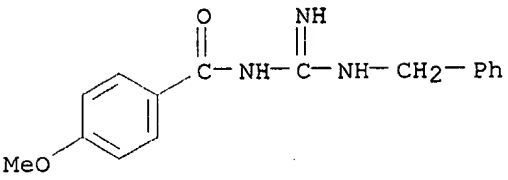
CRN 7664-93-9
CMF H2 O4 S



RN 20801-64-3 CAPLUS
CN p-Anisamide, N-(benzylamidino)-, sulfate (2:1) (8CI) (CA INDEX NAME)

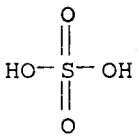
CM 1

CRN 18787-58-1
CMF C16 H17 N3 O2



CM 2

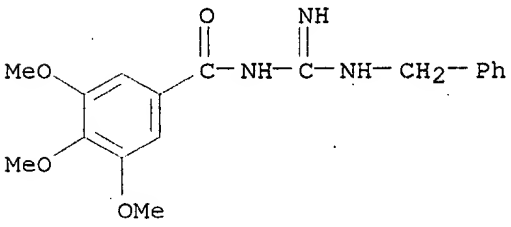
CRN 7664-93-9
CMF H2 O4 S



RN 20801-65-4 CAPLUS
CN Benzamide, N-(benzylamidino)-3,4,5-trimethoxy-, sulfate (2:1) (8CI) (CA INDEX NAME)

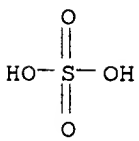
CM 1

CRN 18787-59-2
CMF C18 H21 N3 O4



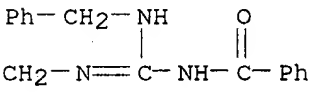
CM 2

CRN 7664-93-9
CMF H2 O4 S

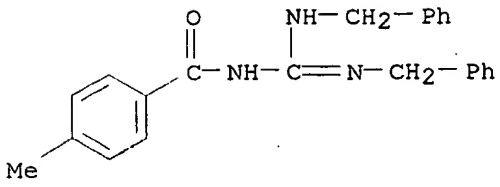


L5 ANSWER 17 OF 17 CAPLUS COPYRIGHT 2001 ACS

AN 1967:500033 CAPLUS
DN 67:100033
TI Preparation and reactions of N-(C-chloro-S-chlorothiomethylene)carboxamides and their derivatives
AU Neidlein, Richard; Haussmann, Walter
CS Inst. Pharm. Chem. Lebensmittelchem., Univ., Marburg/Lahn, Ger.
SO Arch. Pharm. Ber. Dtsch. Pharm. Ges. (1967), 300(7), 609-15
CODEN: APBDAJ
DT Journal
LA German
AB Passing Cl 3 hrs. at room temp. into a soln. of 5.1 g. o-MeOC6H4CONHC(S)SEt in 150 cc. CH2Cl2 and distg. the residue gave 87% o-MeOC6H4CONCl2 (I), b0.02 97-100.degree., oil; likewise obtained was 86% of the meta isomer of I, b0.01 79-81.degree.. Mixing equimolar solns. of BzNCS and Cl in CCl4, followed by storage in a stoppered flask gave after several weeks 68% RN:C(SCl)Cl (R = Bz) (II), m. 84-6.degree. (cyclohexane). Similarly prepd. were III (R, % yield, and m.p. given): p-tolyl, 63, 96-7.degree.; p-ClC6H4, 70, 115-16.degree.. Stirring 2.34 g. II in 60 cc. C6H6 with 4.29 g. o-toluidine 6 hrs. at room temp. gave 93% RCON:C(NHR1)SNHR1 (III) (R = Ph, R1 = o-MeC6H4), m. 120-1.degree.. Similarly prepd. were III (R, R1, % yield, and m.p. given): p-MeC6H4, C6H11, 83, 206-7.degree.; p-ClC6H4, p-MeC6H4, 90, 215-16.degree.. To a suspension of 0.8 g. finely powd. NaOH in a mixt. of 0.86 g. (CH2NH2)2 in 10 cc. C6H6 was added dropwise with ice-cooling 2.02 g. BzCONCl2 (IV) in 10 cc. C6H6 to give after 2 hrs. stirring at room temp. 88% N-(bis(ethylenimino)methylene]benzamide, m. 119-21.degree. (Et2O). Treatment of Br2C:NN:CBr2 and 1.6 g. NaOH in 20 cc. tetrahydrofuran with 3.44 g. ethylenimine gave under similar conditions 68% tetra(1-aziridinyl)-2,3-diazabutadiene, m. 134-5.degree. (AcOEt). PhCH2NH2 (4.29 g.) and 2.02 g. IV in C6H6 gave 90% RCON:C(NHR1)2 (V) (R = Ph, R1 = PhCH2), m. 133-4.degree.. Also prepd. were V (R, R1, % yield, and m.p. given): p-ClC6H4, p-MeC6H4, 77, 143-4.degree.; m-MeOC6H4, p-MeC6H4, 80, 106-7.degree.; o-MeOC6H4, p-MeC6H4, 83, 159-60.degree.; p-MeC6H4, PhCH2, 81, 129-30.degree.; p-MeC6H4, cyclohexyl, 83, 140-1.degree.. Solns. of 3.03 g. IV and 1.17 g. CH2OHCH2SH each in 5 cc. AcOEt were mixed and added to an ice-cold mixt. of 20 cc. pyridine-AcOEt (1:1). Working up after 2 hrs. stirring gave 77% 2-benzoylimino-1,3-oxathiole, m. 52-3.degree.. Similarly obtained was 80% 2-(p-chlorobenzoylimino)-1,3-oxathiole, m. 135-6.degree. (EtOH). Likewise, o-C6H4(OH)2 and IV gave 88% 2-benzoylimino-1,3-benzodioxole (VI), m. 135-6.degree. (EtOH).
IT **16565-12-1P 16565-24-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)
RN 16565-12-1 CAPLUS
CN Benzamide, N-[bis(benzylamino)methylene]- (8CI) (CA INDEX NAME)



RN 16565-24-5 CAPLUS
CN p-Toluamide, N-[bis(benzylamino)methylene]- (8CI) (CA INDEX NAME)


O
NH— CH2— Ph
C— NH— C═ N— CH2— Ph
Me